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PATENT ABSTRACTS OF JAPAN

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(21)Application number : 06-327453

(71)Applicant : CANON INC

(22)Date of filing : 28.12.1994

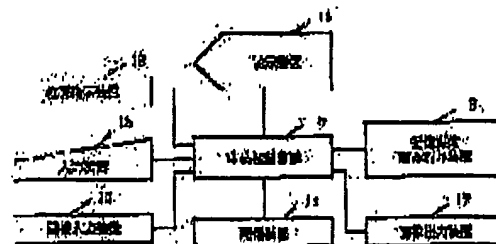
(72)Inventor : KYOKAWA JUN

(54) DEVICE AND METHOD FOR PROCESSING PICTURE

(57)Abstract:

PURPOSE: To prevent localization within a color space by referring to the data before and after adjustment of a color set beforehand whose hue is close to an adjustment object color and performing the adjustment.

CONSTITUTION: The pairs of the plural colors (y) before the adjustment and the colors y' after the adjustment corresponding to them specified by a user are inputted from an input device 13 such as a keyboard or the like to a storage device 14 as the data expressed by the brightness of CIE, saturation, the hue and the color space. When the object color (x) to be adjusted is inputted from the input device 13 in a similar form, a central processing unit 15 searches the colors y_{R,L} before the adjustment closest in front and behind on a hue scale and the colors y'_{R,L} after the adjustment for them. The brightness, the saturation and the hue for the object color x' after the adjustment for the object color (x) are obtained respectively by an interpolation formula for dividing a difference between the y'_{R,L} and the Y_{R,L} by the difference between the (x) and y_{R,L}. At the time, weighting is performed by a hue difference in the calculation of the saturation and the weighting is performed by the hue difference and the saturation in the calculation of the brightness.



LEGAL STATUS

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decision of rejection]

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Basic Patent (Number,Kind,Date): EP 720352 A1 19960703

PATENT FAMILY:

Germany (DE)

Patent (Number,Kind,Date): DE 69518620 00 20001006
VORRICHTUNG FUER DIE SELEKTIVE FARBKORREKTUR (German)
Patent Assignee: CANON KK (JP)
Author (Inventor): KIYOKAWA JUN (JP)
Priority (Number,Kind,Date): JP 94327453 A 19941228
Applio (Number,Kind,Date): DE 69518620 A 19951227
IPC: * H04N-001/62; H04N-001/60
Derwent WPI Acc No: * G 96-302773
Language of Document: German
Patent (Number,Kind,Date): DE 69518620 T2 20010419
VORRICHTUNG FUER DIE SELEKTIVE FARBKORREKTUR (German)
Patent Assignee: CANON KK (JP)
Author (Inventor): KIYOKAWA JUN (JP)
Priority (Number,Kind,Date): JP 94327453 A 19941228
Applio (Number,Kind,Date): DE 69518620 A 19951227
IPC: * H04N-001/62; H04N-001/60
Derwent WPI Acc No: * G 96-302773
Language of Document: German

Germany (DE) - Legal Status

Number	Type	Date	Code	Text
DE 69518620 P		20001005	DE REF	CORRESPONDS TO (ENTSPRICHT) EP 720352 P 20001005
DE 69518620 P		20010419	DE 8373	TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPÄISCHEN PATENTES IST EINGEGANGEN UND VERÖFFENTLICHT WORDEN)
DE 69518620 P		20010920	DE 8364	NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE)

European Patent Office (EP)

Patent (Number,Kind,Date): EP 720352 A1 19960703
SELECTIVE COLOUR CORRECTION METHOD (English; French; German)
Patent Assignee: CANON KK (JP)
Author (Inventor): KIYOKAWA JUN (JP)
Priority (Number,Kind,Date): JP 94327453 A 19941228
Applio (Number,Kind,Date): EP 95308440 A 19951227
Designated States: (National) DE; FR; GB; IT; NL
IPO: * H04N-001/62; H04N-001/60
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SELECTIVE COLOUR CORRECTION APPARATUS (English; French; German)
Patent Assignee: CANON KK (JP)
Author (Inventor): KIYOKAWA JUN (JP)
Priority (Number,Kind,Date): JP 94327453 A 19941228
Applio (Number,Kind,Date): EP 95308440 A 19951227
Designated States: (National) DE; FR; GB; IT; NL
IPO: * H04N-001/62; H04N-001/60
Derwent WPI Acc No: * G 96-302773
Language of Document: English

European Patent Office (EP) - Legal Status

Number	Type	Date	Code	Text
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EP 720352 P	19941228 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 84327453 A 19941228
EP 720352 P	19951227 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 95309440 A 19951227
EP 720352 P	19960703 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN) DE FR GB IT NL
EP 720352 P	19960703 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 720352 P	19970108 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 981113
EP 720352 P	19970129 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 981217
EP 720352 P	19990823 EP RT11	TITEL (CORRECTION) (TITEL (KORR.)) SELECTIVE COLOUR CORRECTION APPARATUS
EP 720352 P	19990714 EP RT11	TITEL (CORRECTION) (TITEL (KORR.)) SELECTIVE COLOUR CORRECTION APPARATUS
EP 720352 P	19990804 EP RT11	TITEL (CORRECTION) (TITEL (KORR.)) SELECTIVE COLOUR CORRECTION APPARATUS
EP 720352 P	20000830 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTEN VERTRAGSSTAATEN) DE FR GB IT NL
EP 720352 P	20000830 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 720352 P	20001005 EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 89518620 P 20001008
EP 720352 P	20010126 EP EN	FR: TRANSLATION NOT FILED (FR: TRADUCTION N'A PAS ETE REMISE)
EP 720352 P	20010201 EP NLV1	NL: Lapsed OR ANNULLED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT; NO LEGAL EFFECT FROM THE DATE OF (NL: WIRKUNG IN NL NICHT EINGETRETEN (ART. 29P UND 29M NL PATG.))
EP 720352 P	20010816 EP 26N	NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 720352 P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 720352 P	20020109 EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) FR 20010126
EP 720352 P	20030219 EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) FR 20010126
EP 720352 P	20030219 EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) NL 20000830

Japan (JP)

Patent (Number,Kind,Date): JP 8188727 A2 19960716
DEVICE AND METHOD FOR PROCESSING PICTURE (English)
Patent Assignee: CANON KK
Author (Inventor): KIYOKAWA JUN
Priority (Number,Kind,Date): JP 84327453 A 19941228
Applo (Number,Kind,Date): JP 84327453 A 19941228
IPO: * H04N-001/60; H04N-001/48
Derwent WPI Acc No: * Q 98-302773
Language of Document: Japanese

United States of America (US)

Patent (Number,Kind,Date): US 6163321 A 20001219
IMAGE PROCESSING APPARATUS AND METHOD THEREOF (English)
Patent Assignee: CANON KK (JP)
Author (Inventor): KIYOKAWA JUN (JP)
Priority (Number,Kind,Date): JP 94327453 A 19941228
Applio (Number,Kind,Date): US 579361 A 19951227
National Class: * 345431000
IPO: * Q08T-011/40
Derwent WPI Acc No: * Q 96-302773
Language of Document: English

United States of America (US) - Legal Status

Number	Type	Date	Code	Text
US 6163321 P		19941228	US AA	PRIORITY (PATENT) JP 94327453 A 19941228
US 6163321 P		19951227	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 579361 A 19951227
US 6163321 P		20001219	US A	PATENT
US 6163321 P		20011120	US OO	CERTIFICATE OF CORRECTION

INPADOC/Family and Legal Status

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